

CHEBOTOV, B.G., kand.tekhn.nauk; POLONSKIY, M.L., inzh.; KOLESNIK, Yu.I., inzh.;
FADEYEV, A.V.

Anchoring of the jetty slopes of the Kiev Hydroelectric Power Station
using a continuous flow method. Energ. stroi. no.34:53-57 '63.
(MIRA i7:1)

1. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i
tekhnicheskoy pomoshchi stroitel'stva Akademii stroitel'stva i arkhi-
tektury UkrSSR (for Chebotkov, Polonskiy). 2. Stroitel'stvo Kiyevskoy
gidroelektrostantsii (for Kolesnik, Fadeyev).

POLONSKIY, M.L.

New geography of transportation lines in Albania. Trudy Inst.
geog. no. 59:112-121 '54. (MLRA 8:5)
(Albania--Transportation) (Transportation--Albania)

POLONSKIY, M.L., inzh.; CHERNUKHIN, A.M., inzh.; CHEBOTKOV, B.G., kand.
tekhn. nauk

Tractor-type rubble layer. Stroi. i dor. mash. 9 no. 5:11-13
(MIRA 17:6)
My '64.

GUTSEV, Yevgeniy Gevrilovich, kand.geograf.nauk; POLONSKIY, Mark
Leonidovich, kand.geograf.nauk; MARTINKEVICH, P.S., kand.
geograf.nauk, nauchnyy red.; SHEVLAK, V.A., red.; VORO-
TYNSKAYA, S.A., tekred.

[Transportation in White Russia and the seven-year plan]
Transport BSSR v semiletke. Minsk, 1960. 31 p. (Obshchestvo
po rasprostraneniu politicheskikh i nauchnykh znanii Belo-
russkoj SSR, no.12). (MIRA 13:8)
(White Russia--Transportation)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9

POLONSKIY, M.M., podpolkovnik med. sluzhby; KOMISSARENKO, B.T., mayor med. sluzhby

Dolinsk sanatorium and the therapeutic value of its climatological and
resort factors. Voen.-med. zhur. no.5:87 My '57 (MIRA 12:7)
(DOLINSK--THERAPEUTICS, PHYSIOLOGICAL)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9"

POLONSKIY, M.N.; PRATUSEVICH, R.M.

Plastic splints to prevent contractures and deformations in
poliomyelitis. Von.ohm.mat.i det. 3 no.2:32-36 Mr-An '53.
(MIRA 11:3)

1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta
imeni G.I.Turnera (dir.-prof. M.N.Goncharova) i Nauchno-issledovatel'-
skogo pediatriceskogo instituta (dir.-prof. A.L.Libov), Leningrad.
(SPLINTS (SURGERY)) (POLIOMYELITIS)

POLONSKIY, M.N., starshiy nauchnyy sotrudnik

Functional attachment to orthopedic braces. Ortop. 1978, 1
(MIRA 1978)
protez. 26 no.9:76-78 S 165.

1. Iz Detskogo ortopedicheskogo instituta imeni G.I. Turnera
(direktor - prof. M.N. Goncharova). Adres avtoru: Leningrad
K.136, Lekhtinskaya ul. d. 10/12, Institut imeni G.I. Turnera.

POLONSKIY, M.N., starshiy nauchnyy sotrudnik

Apparatus for removing casts and application of plaster corsets with horizontal and vertical transfer of the patient. Ortop., travm. i protez. 26 no.7:69-70 Jl '65. (MIRA 18:7)

1. Iz Detskogo ortopedicheskogo instituta imeni G.I.Turnera (direktor- prof. M.N.Goncharova). Adres avtora: Leningrad P-136, Lakhtinskaya ul., d. 10/11, Institut imeni G.I.Turnera.

POLONSKIY, M.N., starshiy nauchnyy sotrudnik (Leningrad 88, Volynskiy per.
d.4, kv.32)

Pneumatic devices in a corset for the correction of lateral
spinal curvatures; preliminary report. Ortop. travm. i pro-
tez. 24 no.2:73-77 F'63. (MIRA 16:10)

1. Iz Detskogo ortopedicheskogo instituta imeni G.I.Turnera
(dir. - prof. M.N.Goncharova) , Leningrad.

*

GONCHAROVA, M.N., professor; KRYSHOVA, N.A., professor; LYANDERS, Z.A., doktor meditsinskikh nauk; LEVIN, I.M., kandidat meditsinskikh nauk; GOLOVINSKAYA, N.V., iandidat meditsinskikh nauk; POLOWSKIY, M.N., kandidat meditsinskikh nauk; GLOTOVA, Ye.I., kandidat mediteinskikh nauk; ZELENINA, Ye.V., kandidat meditsinskikh nauk

Treatment of children with aftereffects of poliomyelitis. Vop.oh.
mat. i det. 1 no:l:43-52 Ja-F '56. (MLRA 9:9)

1. Iz Nauchno-issledovatel'skogo detskogo ortopedicheskogo
instituta imeni G.I.Turnera, Leningrad.
(POLIOMYELITIS)

POLONSKIY, M.S.; ZHURAVIN, M.A.; IADYZHENSKIY, Ye.B.; PINSKII, b.i.;
ZUBOV, V.O.; SNESTRIKOV, A.A.; YAKUN', F.V.; KMYNITSA, M.N.;
AREF'YEV, B.A.; YEVZIKOV, L.I., starshiy stroitel' sidov;
PAVLENKO, I.F.; YEROVLEV, B.M., inzh.; MARKOV, A.P., inzh.

Readers' response to the article by engineer M.A. Daikhes
entitled "Method of mounting the main engines with minor
deformations of the foundation frame and the crankshaft".
Sudostroenie 30 no.10:57-66 0 '64.

(MIRA 17:12)

1. Gruppovoy inzh.-mekhanik SSKh parokhodstva "Kuspar" (for Zubov).
2. Inzh.-inspektor Registra SSSR (for Yakun'). 3. Glavnnyy inzh.-inspektor inspektsii Registra SSSR Baltiyskogo basseyna (for Aref'-yev). 4. Starshiy mekhanik teplokhoda "Tadzhikistan" (for Pavlenko).

MAKSIN, Yu.A., inzh.; POLONSKIY, M.V., inzh.

Investigating certain parameters of the SSht-11 noncontact device
for measuring the dimensions of parts forged on hydraulic presses.
Sbor. MOSSTANKIN no.6:85-109 '62. (MIRA 15:12)
(Electronic instruments) (Radioisotopes—Industrial applications)
(Forging)

POLONSKIY, M.V., inzh.

Approximate calculation of natural frequencies of four-pillar
forging presses. Vest.mashinostr. 43 no.3:57-61 Mr '63. (MIRA 16:3)
(Hydraulic presses—Vibration)

S/784/62/000/006/001/002

AUTHORS: Maksin, Yu.A., Polonskiy, M.V., Engineers.

TITLE: Investigation of several parameters of the CMT-11 (SShT-11) noncontact device for the measurement of the dimensions of forged pieces during forging on hydraulic presses.

SOURCE: Moscow. Stankoinstrumental'nyy institut. Kafedra "Oborudovaniye i tekhnologiya kovki i shtampovki." Sbornik. no.6. 1962, 85-109. Ispol'zovaniye radioaktivnykh izotopov v kuznechno-shtampovochnom proizvodstve; Osnovnyye polozheniya, skhemy i konstruktsii kontrol'nykh ustroystv pri avtomatizatsii shtampovki i kovki.

TEXT: The paper describes a noncontact method for the measurement by radioactive means of forged pieces during free forging, developed by the Department of Forging and Stamping Equipment and Technology at the Stankoinstrumental'nyy institut (Moscow Institute of Machine Tools and Instruments). The method eliminates the shortcomings of extant optical, photoelectric, and TV methods. The method employs a BM-1 (BI-1) emitter of β -radiation which functions dependably under vibration and at high temperatures, does not require any power-supply wiring, and has a long service life, even in a dusty mill atmosphere. The noncontact gage (NG) can operate as a tracker or as a signaling device. When the NG is operated as a
Card 1/3

Investigation of several parameters...

S/784/62/000/006/001/002

tracker, e.g., during initial reduction of a piece, the distance between the faces of the hydraulic press (HP) is indicated by a hand revolving in front of a dial. As a signaling device, the NG can emit a light signal or transmit a control pulse when a desired dimension has been attained (for example, when a final dimension has been attained in a finishing operation). The SShT-11 equipment comprises as BI-1 source, which is attached to the movable portion of the HP, a pair of receivers mounted on a carriage which can undergo a vertical motion upon rotation of a vertical screw equipped with a phase-sensitive motor, and a selsyn-driven hand on a circular dial, which indicates the position of the motor-driven screw. For example, when the BI-1 source is carried downward, its radiation is picked up by the lower receiver alone, whereupon the electro motor turns the screw, the carriage descends until both receivers pick up the radiation of the source in equal measure, and the motor is brought to a stop. The position of the screw, and hence of the receivers and the source, can thus be read with great accuracy. Signaling operation is achieved by operating the electric motor through an override "up-down" control until a desired dimensional reading is attained on the dial. When the source has descended to the point where its radiation strikes the upper receiver, an "alert" light is actuated; when both receivers are irradiated, a "stop" light or a control pulse is actuated. The electric circuitry for operation at advance rates of less than 50 mm/sec, with an asynchronous 3M-93 (EM-93) motor, and of more than 50 mm/sec, with an asynchronous AIII -362 (ADP-362) hollow-rotor motor, is described in detail for Card 2/3.

Investigation of several parameters...

3/784/62/000/006/001/002

both the tracking and the signaling mode of operation. The principal design parameters of the equipment, namely, the diameter of the β -ray-emitter collimator, the width of the horizontal visor-diaphragm (VD) between the two receivers, the vertical distance of each receiver element from the VD, and the distance from the source to the edge of the VD and their effect on the accuracy of the device are discussed, and the experimental setup employed to determine the magnitudes of the various characteristic actuation zones as functions of the geometry of the device and to investigate the accuracy of the measurements as affected by the equipment geometry, the characteristics of the selsyn drive, and the elastic characteristics of the forged piece and the forging press itself. The possible employment of the signaling mode of the equipment to actuate the various hydraulic valves involved in the actuation and "holding" of the forging tool, both for rough reduction and for finishing strokes, is explored in detail, and a backfitting procedure is outlined for the installation of the automatic-control equipment on existing unequipped hydraulic presses during progressive maintenance-overhaul operations. All equipment employed is of Soviet manufacture. There are 16 figures and 1 (unnumbered) table; no references.

ASSOCIATION: None given.

Card 3/3

ETIN, Il'ya Zinov'yevich; SHABADAKH, Askol'd Nikolayevich;
POLONSKIY, Mikhail Vladimirovich; KAMNEV, P.V., red.;
TELYASHOV, R.Kh., red.izd-va; BELOGUROVA, I.A., tekhn.
red.

[Automation of forging processes and the measurement of forgings
on forge presses with the help of radioisotopes] Avtomatizatsiya
protsessov kovki i izmerenie pokovok na kovochnykh pressakh pri
pomoshchi radioaktivnykh izotopov. Leningrad, 1963. 25 p.
(leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen pe-
redovym opytom. Seriya: Kovka i shtampovka, no.2) (MIRA 16:5)
(Forging) (Automation)
(Radioisotopes—Industrial applications)

POLONSKIY, N.B.; CHEKHOVICH, V.V.

Stationary shielded rooms and chambers. Prib. i tekhn. eksp. °
no.6:135-143 N-D '64.

Dismountable shielded chambers. Ibid.:144-148

(MIRA 18:3)

ZHONDETSKAYA, O.D.; POLONSKIY, N.R.; SHCHETININ, A.P., otv. red.;
VENGRENYUK, L.I., red.; SHEFER, G.I., tekhn. red

[Overall suppression of industrial radio interference] Kom-
pleksnoe podavlenie radiopomekh ot promyshlennyykh predpriiatii.
Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1961. 55 p.
(MIRA 15:2)

(Radio--Interference)

ACCESSION NR: AP5002162

S/0120/64/000/006/0144/0148

B

AUTHOR: Polonskiy, N. B.; Chekhovich, V. V.

TITLE: Dismountable shield chambers

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1964, 144-148

TOPIC TAGS: shield chamber

ABSTRACT: Desk-size and walk-in-size shield chambers consisting of easily-assembled brass-gauze panels are described. A standard-size panel consists of a wooden frame 87-cm wide and 240-cm high carrying 0.3-mm tinned-brass-wire 1.26 x 1.26-mm-mesh gauze; the frame may carry the gauze on one or on both sides. The panels are groove-and-tongue assembled into door-equipped chambers from 174 x 184 x 240-cm to 349 x 272 x 245-cm size. A single-gauze chamber ensures a field attenuation of about 60-70 db within 0.16-20 Mc; attenuations up to 120 db are attainable with double-gauze chambers. Orig. art.

Card 1/2

ACCESSION NR: AP5002162

has: 9 figures, 2 formulas, and 3 tables.

ASSOCIATION: none

SUBMITTED: 29Nov63

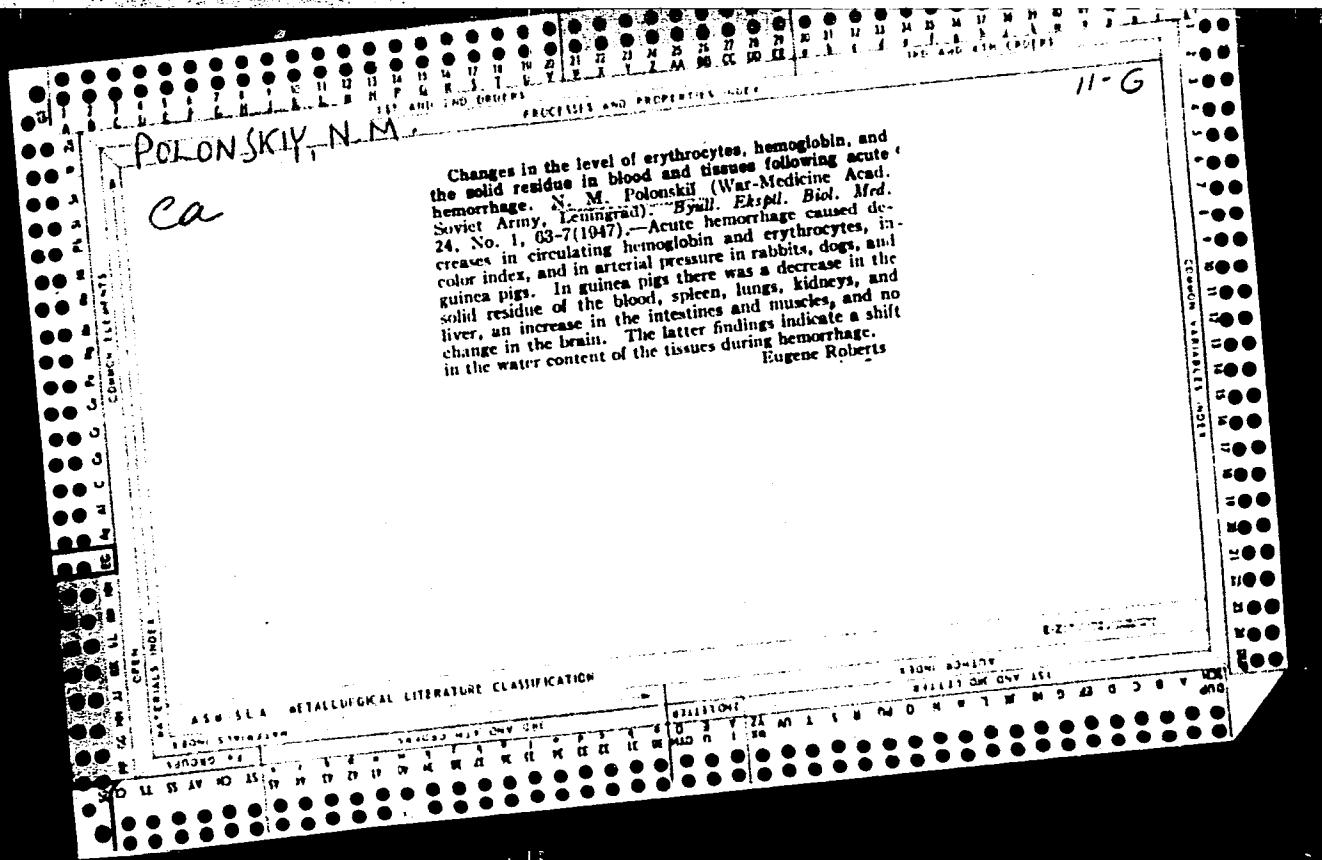
ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 000

Card 2/2



POLONSKIY, N.Z., kand.med.nauk

Gase of fungous pneumonia and fungous sepsis in connection with
antibiotics treatment. Vrach.delo no.4:419-421 Ap '60.
(MIRA 13:6)

1. Ob'yedinennaya bol'nitsa No.19 g. Gor'kogo.
(PNEUMONIA) (ANTIBIOTICS)

POLONSKIY, N.Z., kand.med.nauk (Gor'kiy); YUMATOVA, N.A. (Gor'kiy)

A case of death during a paroxysm of bronchial asthma. Klin.
med. 36 no.12:123-124 D '58. (MIRA 12:6)

1. Iz bol'nitsy no.19 (glavnnyy vrach F.L.Iokton).
(ASTHMA, case reports
acute paroxysm causing death (Rus))

VLADIMIROV, G. [Vladymyrov, H.]; POLONSKIY, R. [Polons'kyi, R.]

Birth of an electric giant. Znan. ta pratsia no.7:10-11
J1 '61. (MIRA 14:8)
(Kharkov Province--Steam power plants)

POLONSKIY, S.L.

Attachment for machining anvil blocks. Mashinostroitel' no.8:35
Ag '61. (MIRA 14:7)
(Milling machines)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9

VUKOLOV, Ye.A.; NEGOVSKIY, A.S.; IORDANOV, Z.A.; MALYSHEV, V.I.;
MASHNITISKIY, A.A.; KLYASHTORMYY, I.A.; RAYZ, A.B.; POLONSKIY, S.M.

Extraction of electrocorundum from bauxite agglomerate. From. energ.
15 no.10:16-18 0 '60. (MIRA 13:11)
(Bauxite) (Corundum)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9"

L 23877-66 EWT(i)/EWT(m)/EPF(n)-2/T/ETC(m)-6 WW/DJ/WE

ACC NR: AP6009922

(A,N)

SOURCE CODE: UR/0413/66/000/004/0117/0117

AUTHOR: Bakharev, A. P.; Tumanova, A. S.; Lisitsyn, A. A.; Rodnikov, V. A.; Pozharov, M. A.; Rezvov, K. M.; Smirnov, M. P.; Latysh, V. S.; Kryuchkov, V. Ye.; Filippov, V. V.; Keller, U. U.; Kislov, V. G.; Gryaznov, Yu. A.; Koshman, E. I.; Mos'kin, V. A.; Polonskiy, S. N.; Fedoseyev, N. I.; Lavrov, L. I.

64
B

ORG: none

TITLE: A sectional high-pressure fuel pump. Class 46, No. 179124

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 117

TOPIC TAGS: engine fuel pump, internal combustion engine, high pressure pump

ABSTRACT: This Author's Certificate introduces: 1. A sectional high-pressure fuel pump for internal combustion engines. The pumping elements and camshaft are located in the pump housing. The unit also contains a general-purpose regulator with weights mounted on a hub which is fitted loosely onto the camshaft. These weights operate a clutch which is connected to the fuel pump rod by a lever mechanism. The hub with the weights is connected to the camshaft by a helical spring element for stable operation of the pump under given conditions. 2. A modification of this pump in which the lever mechanism is made up of two levers mounted on a common axis. One of these levers

UDC: 621.43.031

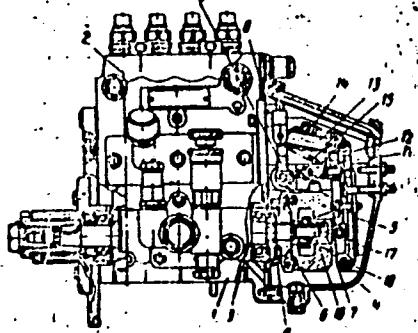
Card 1/3

L 23877-66

ACC NR: AP6009922

is connected to the pump rod drawbar and the other is connected to the regulator spring. The lever fastened to the drawbar is also coupled with another spring which

1--housing; 2--pumping element; 3--camshaft; 4--general-purpose regulator; 5--weights; 6--hub; 7--regulator clutch; 8--rod; 9--helical spring element; 10--common axis; 11 and 12--control levers; 13--drawbars; 14--regulator spring; 15--extra spring; 16--stem; 17--clutch cavity; 18--control lever



moves this lever to increase fuel feed during starting of the engine. 3. A modification of this fuel pump in which the regulator clutch is mounted on the stem of the camshaft and prevented from rotating by lugs on one of the levers which fit into grooves on the clutch. The clutch cavity bounded by the end of the shaft is filled with oil for damping. 4. A modification of this pump in which the additional spring coupled with the lever mechanism has its other end

connected to the motor control lever so that the spring is out of operation when the control lever is moved to the minimum idling speed position after the motor is started. 5. A modification of this pump in which the lever is connected to the pump rod

Card 2/3

L 23877-66

ACC NR: AP6009922

drawbar by an eccentric to change the cyclic feed of the pump during regulation without changing the speed conditions of the regulator.

SUB CODE: 13/ SUBM DATE: 13Apr62/ ORIG REF: 000/ OTH REF: 000

Card 3/3ddw

GOLOTA, Georgiy Fedorovich; NAGORNEV, A.A., retsenzent; POLONSKIY,
S.N., retsenzent; REZNIKOV, M.V., nauchnyy red.; LISOK, E.I.,
red.; ~~KOBENKO~~, Yu.N., tekhn. red.

[Ship carpenter] Sudovoi plotnik. Leningrad, Sudpromgiz, 1962.
(MIRA 16:1)
247 p. (Carpentry) (Shipbuilding materials)

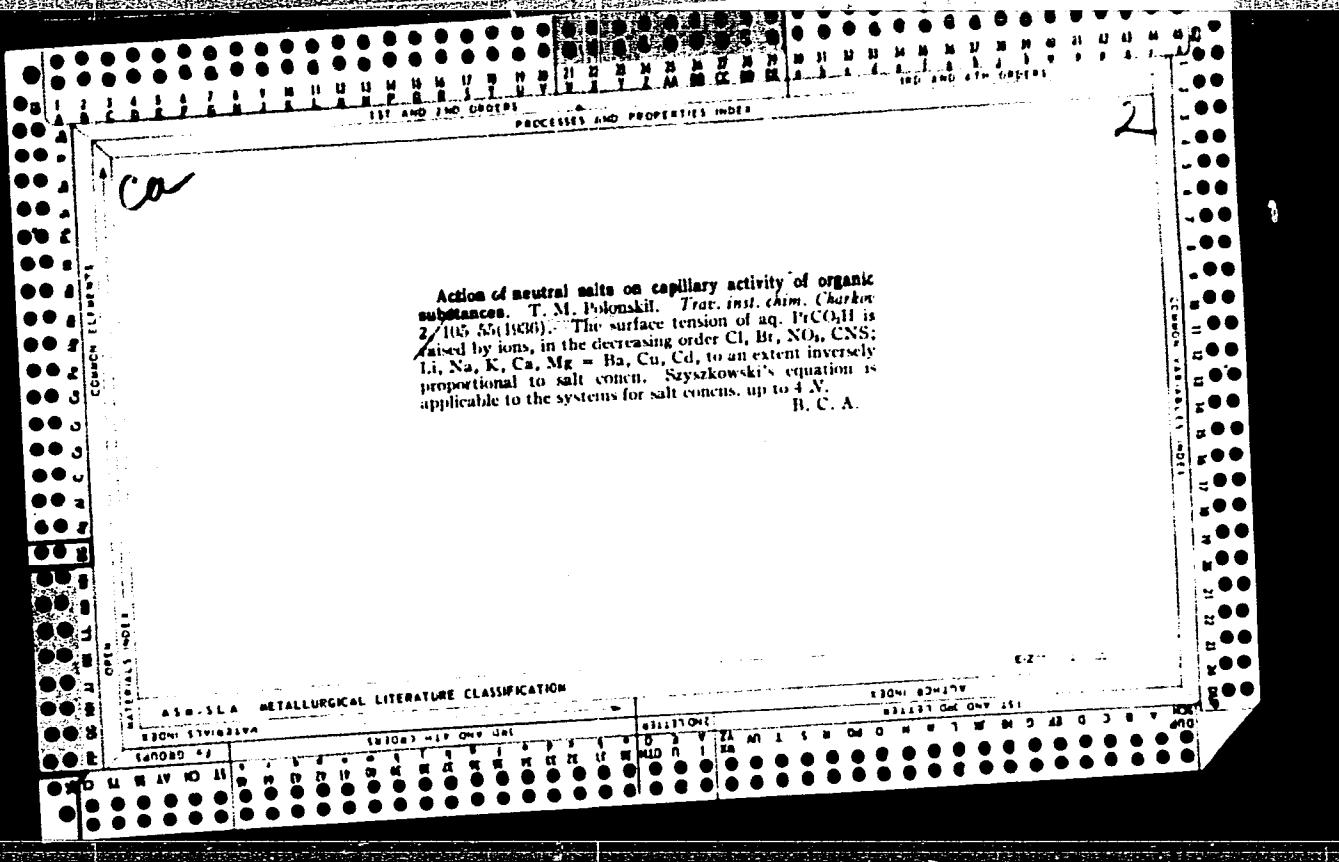
POLONSKIY, S.P.

[Diagnosis of diseases of the spinal nerves; an atlas] Diagnostika
porashenii spinnomozgovykh nervov; atlas. [Leningrad] Medgiz,
1957. 193 p. (MIRA 10:7)
(NERVES, SPINAL--DISEASES)

POLONSKII, T.

Blue fox. Ill.nat. no. 3:39 Mr '62.
(Arctic fox)

(MIRA 15:4)



POLONS'KIY, T.M.; POLONS'KA, L.O.

Effect of acetates on capillary activity of acetic acid. Nauk.zap.
(MLRA 10:5)
L'viv.un. 9:93-102 '48.

1.Kafedra fizicheskoy khimii.
(Surface tension)
(Alkali metal acetates)

POLONSKIY, T.M., dotsent.

Distribution of ions between the solid and soluble phases.
Dop.ta pov.L'viv.un.no.3 pt.2:38-39 '52. (MLRA 9:11)

(Ions)

POLONSKY, T. M.

3

Effect of temperature on formation of thixotropic structure in bentonite suspensions. N. N. Serb-Sergina and T. M. Polonskij
(Dokl. Akad. Nauk SSSR, 1954, 98, 103-106). Measurements
of the ultimate shear strength, and structural viscosity of suspensions of bentonite in pure water and water containing NaOH,
LiOH, LiCl; at various temperatures and after various times,
shows that the rate of development of structure increases with temp.,
and tends in all cases to the same final value of the strength of the
thixotropic structure. This is interpreted in terms of a decrease
of hydration with increase of temp. R. C. MURRAY.

POLONSKIY, T.M.

Structural formation in Molodiatin bleaching clays suspensions.
Dep. ta pov. L'viv.un. no.6 pt.2:138-139 '55. (MIRA 10:3)
(Clay)

POLDANSKIY, T. M.

Distribution of ions between liquid and solid phases.
T. M. Polonskii. Naukovi Zapisi, L'viv. Derzhav. Univ.
im. I. Franka 34, Ser. Khim., No. 4, 25-9(1955)(in Russian).
—The adsorption isotherm for cationic exchange on bentonite (*B*) according to the general reaction $B\text{-NH}_4 + \frac{1}{2}\text{M}^{++} \rightleftharpoons \text{NH}_4^+ + \frac{1}{2}\text{BM}$, was expressed as $\text{g}_{\text{NH}_4}/\sqrt{\text{cm}} = K(f_{\text{NH}_4}/f_{\text{M}}) (C_{\text{NH}_4}/\sqrt{C_{\text{M}}})$ (cf. Nikol'skii and Paramonova, *C.A.* 35, 3021). Crushed to 3-mm. size, natural bentonite (SiO_2 58.82, Al_2O_3 11.72, Fe_2O_3 5.66, CaO 2.98, MgO 1.40, TiO_2 0.60, Na_2O 0.15, H_2O 20.31%) was treated 8 hours with fresh 1.0N NH_4Cl during a 100-hr. period. Washed and dried ammonium-bentonite (*B-NH₄*) was dried at 101–10°. To 5 g. *B-NH₄* was added 100 ml. of a soln. of MgCl_2 , CaCl_2 , BaCl_2 , or NH_4Cl . The ionic strength in each case was 0.05. After shaking at room temp. for 48 hrs. (more than enough to achieve the equil.) the concn. of cations was detd. by standard methods. In solns. contg. 90, 70, 60, 30, and 10% MgCl_2 , the amts. (g. equiv./l.) of Mg adsorbed were, resp., 21.10, 18.18, 15.04, 11.20, 4.70 and the values of *K* were 0.38, 0.33, 0.37, 0.34, and 0.34. The amts. of Ca adsorbed from the same concns. were 22.10, 19.80, 16.44, 12.08, 5.66 and those of Ba 28.00, 20.56, 17.94, 12.04, 6.92 and the corresponding *K* values were, resp., 0.27, 0.28, 0.29, 0.27, 0.28, and 0.13(?); 0.21, 0.23, 0.27, 0.25. Thus, the adsorption of bivalent cations in the order $\text{Mg}^{++} < \text{Ca}^{++} < \text{Ba}^{++}$ obeys the law of mass action.

A. P. Kotloby

POLONSKY, T.M.

15 / 1PM

Handwritten notes: ✓ Effect of temperature on the structure formation in clay suspensions. T. M. Polonskii. *Vestis Akad. Nauk Belaruss. S.S.R., Ser. Fiz.-Tekh. Nauk*, 1956, No. 2, 147-52. (in Russian). — A sample of bentonite (I) contg. SiO₂ 62.4, Al₂O₃ 12.5, Fe₂O₃ 4.3, CaO 2.69, MgO 1.0, TiO₂ 0.50, Na₂O 0.12, and H₂O 27.5% was suspended in water (10, 16, and 18% I) and in 0.06N NaOH (8% I), the suspensions heated at 0, 20, 40, and 60° (aq. suspensions) and at 60° (alk. suspensions) followed by the dein. of their tenacities by means of the Veiler and Rebinder elastomer (C.A. 40, 5063*). The tenacity of the structure in the I suspensions increases with the time of the structure formation. The firmness of the structure in the thixotropic I suspensions increases with the temp. of the structure formation until 50-60°, followed by a decrease with the higher temp. The Veiler-Rebinder elastomer is a very useful device for studying the temp. effect on the phys. properties of dispersed systems. E. Wiericki

POLONSKIY, T. M.

1871. Effect of temperature on the structure formation in clay suspensions.—T. M. Polonskiy (*Vestn. Akad. Nauk. Belar. S.S.R. Ser. Fiz.-Tekh. Nauk.*, No. 2, 147, 1956; from *Chem. Abstr.*, 51, 3953, 1957). In Russian. A sample of bentonite (I) containing (%) : SiO₂, 42.4; Al₂O₃, 13.5; Fe₂O₃, 4.3; CaO, 1.0; TiO₂, 0.50; Na₂O, 0.12; H₂O, 27.2, was suspended in water (10, 16 and 18% I) and in 0.06N NaOH (9% I), the suspensions heated at 0°, 20°, 30°, 40°, and 50° (aq. suspensions) and at 60° (alkaline suspension) followed by determination of their tenacities by means of the Veller and Rebinder elastomer (C.A. 40, 3963). The tensile of the structure in the I suspensions increases with the time of the structure formation. The firmness of the structure in the alkaline I suspensions increases with the temperature of the structure formation until 30°–60°, followed by a decrease with the higher temperature. The Veller Rebinder elastomer is used for studying the temperature effect on the physical properties of dispersed systems.

[Redacted]

KUCHER, R.V.; POLONS'KIY, T.M.; KOVBUZ, M.O.

Bentonite clays as catalytic agents of emulsion oxidation of cumene.
[with summary in English]. Dop. AN URSR no. 1:42-45 '57. (MLRA 10:4)

1. L'viv's'kiy dershavnly universitet. Predstaviv akademik AN URSR
A. V. Dumans'kiy.
(Bentonite) (Cumene)

I 14491-66 EWT(m)/EWP(v)/EWP(j)/T/ETC(m)-6 W/GS/RM
ACC NR: AT6006246 (A) SOURCE CODE: UR/0000/65/000/000/0068/0072

AUTHOR: Polonskiy, T. M.; Soltys, M. N.

ORG: Lvov University (Lvovskiy universitet)

TITLE: Adhesion of polyesters [sic] of acrylic and methacrylic acids to glass surfaces

SOURCE: AN UkrSSR. Modifikatsiya svoystv polimerov i polimernykh materialov (Modification of the properties of polymers and polymeric materials). Kiev, Naukova dumka, 1965, 68-72.

TOPIC TAGS: adhesion, glass, polyalkyl acrylate, polyalkyl methacrylate, acrylic plastic

ABSTRACT: A study has been made of the adhesion of several alkyl acrylates and methacrylates and acrylonitrile-methacrylate copolymers to alkali glass surfaces. The adhesion strength was tested in tension. The main purpose of the study was to establish the effect of the size and structure of the alkyl side groups on the adhesion strength. It was shown that the adhesion strength of poly(alkyl acrylates) drops in the order: poly(methyl acrylate) to poly(butyl acrylate). This order is reversed for poly(alkyl methacrylates). The adhesion strength of polymers with normal side groups was higher than for polymers with iso side groups. Increasing the concentration of nitrile groups in the methyl methacrylate-acrylonitrile copolymer first increased,

Card 1/2

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then lowered the adhesion strength. The highest strength ($73.0 \pm 4.5 \text{ kg/cm}^2$) was exhibited by copolymers containing 5% acrylonitrile. The results of the study indicated that the adhesion strength increases with the flexibility of the polymer chain.
Orig. art. has: 2 tables.

[B0]

SUB CODE: 11/ SUBM DATE: 06Oct65/ ORIG REF: 007/ OTH REF: 005/ ATD PRESS:
4199

PC
Card 2/2

POLONSKIY, I.

Successes of interfarm building organizations of the Moscow
region. Sel'stroi. 14 no.12:17-18 D '59.
(MIRA 13:4)

1. Inspektor Moskovskogo oblastnogo upravleniya po stroitel'-
stvu v kolkhozakh.
(Moscow Province--Construction industry)

POLONSKIY, A.M.

Efficient organization of production accounting in weaving factories.
Tekst. prom. 18 no.2:7-8 F '58. (MIRA 13:3)

1.Rukovoditel' gruppy mashinoschetnykh ustanovok Gosudarstvennogo
proyektnogo instituta No.1.
(Weaving)

POLONSKIY, T.M.; KOMOVA, E.M.

Effect of temperature on structure formation in Fe(OH)_3 and
 Al(OH)_3 gels. Dop. ta pov. L'viv. un. no.7 pt.3:218-221 '57.
(MIRA 11:2)
(Iron hydroxide) (Aluminum hydroxide)

POLONSKIY, T. M.

Category: USSR / Physical Chemistry - Colloid chemistry. Disperse systems. B-14

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30230

Author : Polonskiy T. M.

Inst : Academy of Sciences Belorussian SSR

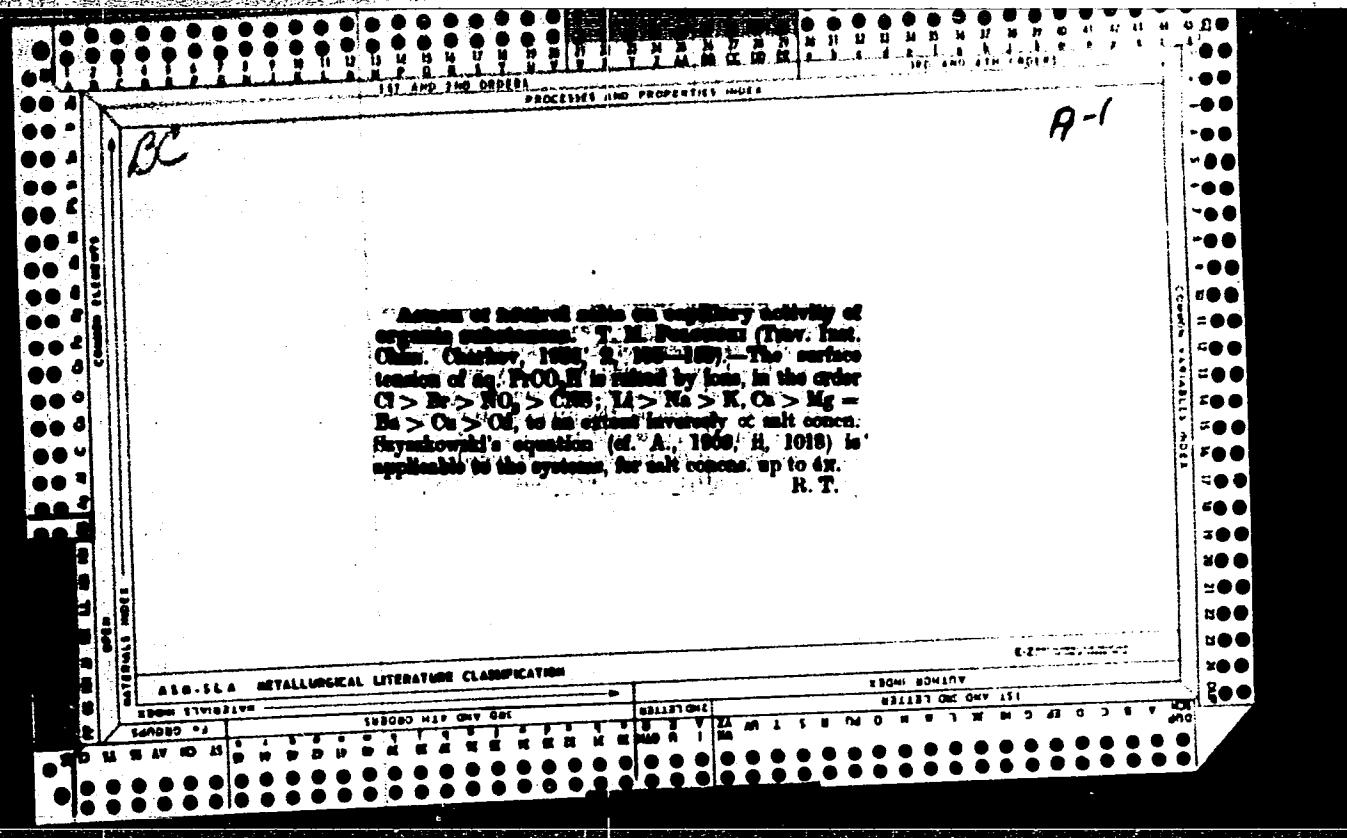
Title : Effect of Temperature on Structure-Formation in Clay Suspensions

Orig Pub: Vestsi AN BSSR. Ser. fiz.-tekhn. n., Izv. AN BSSR. Ser. fiz.-tekhn. n., 1956, No 2, 147-152

Abstract: Study of the effect of temperature on structure formation in suspensions (S) of Tyachevskiy bentonite (TB) (exchange capacity determined by the Bobko-Askinazi method is of 28.28 mg/equivalent per 100 g; coefficient of hydrophobic properties, determined from heat of wetting values in water and benzole, at 25°, is 2.76). Studied S contained 10, 16 and 18% TB, and also 8% in 0.06 N NaOH. Durability of structure was characterized by maximum shear stress (P_{max}), which was determined by means of the Veyler - Rebinder apparatus, the specimens being maintained at the specified temperature for 20 minutes prior to the determination. Rise of temperature

Card : 1/2

-3-



POLONSKIY, T.M.

Absorption spectra of formamide solutions of cobalt chloride.
Nauk.zap.L'viv.un. 21:55-59 '52. (MLRA 10:7)
(Cobalt chloride--Spectra) (Formamide--Spectra)

Polonskiy T.M.
POLONSKAYA, L.A.; POLONSKIY, T.M.

Solubility of salts in formamide. Hauk.zap.L'viv.un. 21:60-62
'52. (Solubility) (Chlorides) (Formamide)
(MIRA 10:7)

POLONSKIY, T.M.

✓ Effect of temperatures on the structure formation in clay suspensions. T. M. Polonskiy, Vsevolod Aksai. *Nauk. Jurn. S.S.R. Ser. Fiz. Tekh. Nauk.* 1956, No. 2, 147-52. (in Russian).—A sample of bentonite (I) containg SiO₂ 39.4, Al₂O₃ 12.5, Fe₂O₃ 4.3, CuO 2.6%, MgO 1.0, TiO₂ 0.60; Na₂O 0.12, and H₂O 27.2% was suspended in water (10, 18, and 18% I) and in 0.05N NaOH (8% I), the suspensions heated at 0, 20, 30, 40, and 50° (aq. suspensions) and at 60° (alk. suspension), followed by the determination of their tenacities by means of the Veiller and Rebinder elastomer (*C.A.* 40, 5963*). The tenacity of the structure in the I suspensions increases with the time of the structure formation. The firmness of the structure in the thixotropic I suspensions increases with the temperature, the structure formation until 50-60° followed by a decrease with the higher temp. The Veiller-Rebinder elastomer is a very useful device for studying the temp. effect on the phys. properties of dispersed systems.

P. Wiericki

006

The car operating installation of the
vessels in the conditions of Polar Sea navi-
gation. Novosti Tekhniki (Technology News).
Nos. 56 and 57, 1934.

POLONSKIJ, V. I.

USSR/Electricity - Personalities

Jul 51

"Professor V. I. Polonskiy (60th Birthday and 30 Years of Scientific and Teaching Activity)," "M.A. Shatellen, M. P. Kostenko, S. A. Rinkovich, B. M. Mordovin, A. P. Sakharov, F. N. Kharadzha, A. Ye. Alekseyev

"Elektrichesstvo" No 7, p 94

Polonskiy is a specialist in ship propulsion, with particular emphasis on elec drive. He has taught at the Naval College imeni Frunze, the Naval Academy Voroshilov, the Leningrad Polytech Inst (Shipbldg Faculty), and the Leningrad Shipbldg

199T28

USSR/Electricity - Personalities

Jul 51
(Contd)

Inst. Polonskiy directs the Commission on Elect Propulsion of Ships, Acad Sci USSR, and the Elec Eng Sections of the Sci and Tech Councils of the TsNIMF (Cen Res Inst of the Maritime Fleet) and the Marine Register of the USSR.

199T28

POLONSKIY, V.I., professor, inzhener-kapitan I ranga.

[Electric drive on ships] Sudovye elektroprivody. Moskva, Morskoi transport,
1952. 509 p.
(MLRA 6:7)
(Ship propulsion, Electric)

POLONSKIY, Vladimir Ivanovich, zasluzhennyy deyatel' nauki i tekhniki,
prof., doktor tekhn.nauk, inzh.-kapitan 1 range; KHOMYAKOV, N.M.,
dotsent, otv.red.; NORNEVSKIY, B.I., dotaent, retsenzent;
SANDLER, N.V., red. izd-va; KOTLYAKOVA, O.I., tekhn.red.

[Electric propelling machinery] Grebnye elektricheskie ustanovki.
Leningrad, Izd-vo "Morskoi transport," 1958. 530 p. (MIRA 12:2)
(Ship propulsion, Electric)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9

POLONIUM, V. L. P. (Inst.)

Calculations of surface decontamination near the trout cage
along the stream in flat and inclined living rooms.
VNIIE no. 50-194-102-165. (1977)
(MRA 10:10)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9"

POLONSKIY, Vladimir Ivanovich; KHOMYAKOV, N.M., doktor tekhn. nauk
prof., retsenzent; GRITSENKO, P.I., kand. tekhn. nauk, dots.
retsenzent; FRIK, A.O., inzh., nauchn. red.; KAN, P.M., red.

[Electric equipment and electric propulsion of ships]
Elektrooborudovanie i elektrodvizhenie sudov. Moskva,
Transport, 1965. 321 p.
(MIRA 18:12)

ACC NR: AM6008327

(N)

Monograph

UR/

Polonskiy, Vladimir Ivanovich

Electric equipment and electric propulsion of ships (Elektro-oborudovaniye i elektrodvizheniye sudov) Moscow, Izd-vo "Transport," 1965. 321 p. illus., biblio. 6000 copies printed.

TOPIC TAGS: marine engine, marine equipment, electric equipment, electric propulsion, ship navigation, ocean transportation

PURPOSE AND COVERAGE: This book is intended for students of the course entitled "Electric drive and the automation of industrial equipment" in marine-transportation schools of higher education. It may also be used as a textbook for the course entitled "Electrical equipment and electrical propulsion of ships." The theory of marine electric drives and d-c and a-c propulsion units is presented, and fundamentals for calculating and designing these units are given. Attention is paid to the fact that in many cases, today's river navigation approaches ocean navigation conditions; thus, related problems are discussed by the author from a river-ocean navigation point of view.

Card 1/3

UDC: 629.12:(075.8)

ACC NR APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820012-9"

TABLE OF CONTENTS: [abridged]:

Foreword -- 3

Introduction -- 5

Part One. Marine Electric Drives -- 7

Ch.I. Electric steering drives -- 7

Ch.II. Electric anchor-hawser drives -- 84

Ch.III. Marine electric switches and cranes -- 121

Ch.IV. Marine electric pumps, ventilator, and compressor drives - 148

Ch.V. Electrical equipment of dredging implements -- 165

Part Two. Electric Propulsion Units -- 177

Ch.VI. General information on ship theory and general problems of electric propulsion units -- 177

Card 2/3

ACC NR: AM6008327

Ch.VII. Direct-current electric propulsion units -- 202

.. Ch.VIII. Alternating-current electric propulsion units -- 264

References -- 322

SUB CODE: 13,17,09 / SUBM DATE: 15Sep65/ ORIG REF: 022

Card 3/3

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9

PVLONOV, V.I., doktor tekhn. nauk; STARKOV, F.N., inzh.

Method of changing the electromagnetic constant of time
for passive circuits. Sudostroenie 30 no.5:57-58 My '64.
(MERA 17-6)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9"

VASIL'YEV, D.V.; BESSEKERSKIY, V.A.; NEYMAN, L.R.; PIVOVAROV, S.P.;
POLONSKIY, V.I.; FATEYEV, A.V.

Professor Arkadii Timofeevich Blazhkin, 1904 - ; on his 60th
birthday and the 35th anniversary of his scientific and
educational work. Elektrичество no.4:94 Ap '64. (MIRA 17:4)

POLONSKIY, V.I., doktor tekhn. nauk, prof.; KHAYKIN, A.B., dotsent

"Automatic systems on ships" by D.V. Vasil'ev, V.A. Mikhailov,
and B.N. Mikhailov. Reviewed by V.I. Polonskii, A.B. Khaikin.
Elektrичество no.5:94-96 My :63. (MIRA 16:7)

(Ships--Electric equipment)
(Vasil'ev, D.V.) (Mikhailov, V.A.)
(Mikhailov, B.N.)

KHAYKIN, Abram Borisovich; KHOMYAKOV, N.I., doktor tekhn. nauk, prof.,
retsenzent; POLONSKIY, V.I., zas. deyatel' nauki i tekhniki,
doktor tekhn. nauk, prof., red.; GORYANSKIY, Yu.V., red.izd-
va; KOTLYAKOVA, O.I., tekhn. red.

[Dynamics of electric ship propulsion systems]Dinamika greb-
nykh elektricheskikh ustanovok. Leningrad, Izd-vo "Morskoi
transport," 1962. 639 p. (MIRA 16:4)
(Ship propulsion, Electric)

POLONSKIY, V.I.

PHASE I BOOK EXPLOITATION SOV/5324

Polonskiy, Vladimir Ivanovich, and Abram Borisovich Khaykin

Elektrokhody i perspektivy ikh razvitiya (Electrically Propelled Ships and the Prospects for Their Development) Leningrad, Sudpromgiz, 1960. 499 p. 2,300 copies printed.

Scientific Ed.: N.A. Kuznetsov; Ed.: Yu. I. Smirnov; Tech. Eds.: A.I. Kontorovich and Yu.N. Korovenko.

PURPOSE: This book is intended for technical personnel in the shipbuilding industry, sea and river fleets, and design offices. It may also be useful to students of these fields in universities, tekhnikums, and naval schools.

COVERAGE: The book contains information on the present state of electrical propulsion of ships and a description of electric propeller installations and their circuits. A considerable part of the book deals with the analysis of the technical characteristics of d-c and a-c electric propeller installations. Data on basic equipment elements, electrical propulsion circuits, and the

Card #

POLONSKIY, Vladimir Ivanovich; KHAYKIN, Abram Borisovich; KUZNETSOV, N.A.,
nauchnyj red.; KOROVENKO, Yu.I., red.; KONTOROWICH, A.I., tekhn.red.;
KOROVENKO, Yu.N., tekhn.red.

[Diesel-electric motorships and prospects for expanding their
construction] Elektrokhody i perspektivy ikh razvitiia. Leningrad,
Gos.sciuznnoe izd-vo sudostroit.promyshl.. 1960. 499 p.

(Marine diesel engines) (Ship propulsion, Electric) (MIRA 14:3)

POLONSKIY, V.I., prof., doktor tekhn.nauk

Present state of electric ship propulsion in the U.S.S.R.
and ways to expand it further. Trudy NTO sud.prom. 8
no.5:7-17 '59. (MIRA 13:7)
(Ship propulsion, Electric)

POLONSKIY, V.I. prof., doktor tekhn.nauk; YAZIKOV, V.N., kand.tekhn.
nauk, nauchnyy red.; VASIL'YEV, A.V., red.izd-va; GURDZHIYEVA,
A.M., tekhn.red.

[Atomic ships] Atomnye korabli. Leningrad, O-vo po raspro-
straneniu polit. i nauchnykh znanii RSFSR, Leningr. otd-nie
1959. 41 p. (Atomic ships) (MIRA 12:11)

3.2(3); 8(5)

PHASE I BOOK EXPLOITATION SOV/1925

Polotskiy, Vladimir Ivanovich, Honored Worker in Science and Technology, Professor, Doctor of Technical Sciences, Engineer Captain

Grebnyye elektricheskiye ustroystvovki (Electric Propulsion System of Ships) Leningrad, Izd-vo "Morskoy transport," 1958. 530 p.
Errata slip inserted 4,000 copies printed

Resp. Ed.: N.M. Khomyakov; Ed. of Publishing House: N.V. Sandler;
Reviewer: B.I. Nornevskiy; Tech. Ed.: O.I. Kotlyakova

PURPOSE: The book is intended for students in electromechanics of the Higher School of Marine Engineering imeni Admiral S.O. Makarov and for those of the Naval Academy of Shipbuilding and Armament imeni A.N. Krylov. It may also be used by the engineering and technical personnel of scientific research institutes and the designing and planning offices of the Ministry of the Navy and of the Ministry of the Shipbuilding Industry. The book has been approved by the Ministry of the Navy's Department of Schools as a textbook for departments of electromechanics in higher naval schools.

Card 1/20

Electric Propulsion (Cont.)

SOV/1925

COVERAGE: This book deals with the theory of a-c and d-c electric propulsion systems of surface ships and their classification and design. The book also describes the electric drives of some recently constructed electric-driven ships. The book is a subsequent development of a book by the same author "Electric Propulsion of Ships" published in 1929 by the Naval Academy. In writing the book the author was confronted by the lack of sufficiently detailed literature dealing with even the fundamentals of electric propulsion systems of ships. Several new and important problems are only briefly covered or entirely omitted due to lack of space. There is a short description of the atom-powered electric ice breaker "Lenin". As a complement to his own book, the author suggests the forthcoming publication of a more specialized work describing more fully the designs and constructions of Soviet and foreign electric propulsion systems. The author thanks the Chair of Ship Electrification of the Leningrad Electrical Engineering Institute imeni Lenin and the Chair of Ship Electrical Equipment of the Odessa Naval School for the valuable suggestions on the manuscript. He thanks Docent B.I. Nornevskiy for his valuable observations while reviewing the book, Docent N.M. Khomyakov for the editing of the book, Docent A.B. Khaykin and

Card 2/20

POLOMSKIY, V.I., prof., doktor tekhn.nauk; YAZYKOV, V.N., kand.tekhn.
nauk, nauchnyy red.; VASIL'YEV, A.V., red.izd-va; GURDZHIYEVA,
A.M., tekhn.red.

[Atomic ships] Atomnye korabli. Leningrad, 1959. 41 p.
(Atomic ships) (MIRA 12:8)

ACC NR: AP7003342

(N)

SOURCE CODE: UR/0096/67/000/001/0072/0074

AUTHORS: Serov, Ye. P. (Candidate of technical sciences); Polonskiy, V. S. (Engineer, Dissertant)

ORG: Moscow Power Institute (Moskovskiy energeticheskiy institut)

TITLE: Analysis of the boiling phenomenon in steam generating channels under pulsating conditions

SOURCE: Teploenergetika, no. 1, 1967, 72-74

TOPIC TAGS: heat theory, heat transfer, heat phenomenon, heat of vaporization, steam boiler, Mathematical analysis, Thermodynamic analysis

ABSTRACT: A mathematical analysis of the boiling phenomenon in steam generating channels under pulsating conditions is presented. The results of the analysis, based on a quasi-static assumption, are given in terms of a structural scheme which takes into account the effect of perturbations on the flow rate of coolant and pressure and enthalpy of heating (see Fig. 1). A comparison of the calculated results with the experimental data of Z. L. Miropol'skiy, M. Ye. Shitsman, and V. Yu. Pikus (IFZh, t. VII, No. 6, 1964) is tabulated. It was found that the theoretical results were in satisfactory agreement with the experimental data.

Card 1/2

UDC: 621.18.536.423.1

Card 2/2

POLONSKIY, V.

Automobile maintenance in the Tallinn taxi fleet. Avt.transp. 34
no.9:34 S '56. (MLRA 9:11)
(Tallinn--Taxicabs)

FOLOMIN, A.

FOLOMIN, A., inzhener-politeknik; POLONSKIY, V., inzhener.

Simple method of fireproofing camouflage material. Voen.-inzh. zhur.
101 no. 5:24-46 May 1927. (MIRA 10:6)
(Camouflage (Military science))
(Fireproofing)

88934

S/035/61/000/001/010/019
A001/A001*3.1520 (1062, 1168, 1177)*Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1961, No. 1,
p. 51, # 1A373AUTHOR: Polonskiy, V.V.TITLE: Determination of Intensity and Polarity of Sunspot Magnetic Fields
by Means of an Attachment With Fabri - Pero Standard

PERIODICAL: "Solnechnyye dannyye", 1959 (1960), No. 10, pp. 78 - 80

TEXT: Methods of measuring magnetic fields on the Sun necessitate the application of instruments with resolving power of $\sim 400,000$ - $600,000$. The author measured magnetic fields of sunspots by means of a $\Delta\lambda(\eta)$ (EDSP) spectrograph with a grating of low resolving power (60,000) but used in combination with the Fabri-Pero standard. By the method proposed by G.F. Vyal'shin the author obtained interference photographs of the FeI line $\lambda 6173.348$; polarities and intensities of fields of 66 sunspots were found from these photographs. The formula for determining field intensity from Zeeman splitting was used in determinations. The

Card 1/2

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A001/A001

Determination of Intensity and Polarity of Sunspot Magnetic Fields by Means of an Attachment With Fabri-Pero Standard

maximum error in intensity values obtained amounts to \pm 80 gauss. In the author's opinion, the method employed has a number of advantages, one of which is the absence of necessity of taking into account instrumental polarization. There are 6 references.

N. Shilova

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

MENZHERITSKIY, A.I.; OSIPOV, A.V.; YEFREMOV, M.D.; KRUKOVSKIY, Ye.V.;
SHLUGER, N.A.; REPSHIL', A.P.; MITSKEVICH, V.M.; MIKIRTUCHEVA,
Z.V.; POLONSKIY, V.V.; OBOTSOVA, M.N.; SEMENOVSKIY, A.A.;
GARASEVICH, G.I.; VAYNBERG, Ye.I.; DOMNICH, A.M.; LEVCHENKO, V.L.;
RAFAL'SON, V.D.; ROMANENKO, Ye.I.; SHPINER, Ye.I.; TEKLIN, V.G.

Innovations. Bum. i der. prom. no.2:58 Ap-Je '65.

(MIRA 18:6)

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ACCESSION NR: EWT(1)/EWG(v)/EEC-4
AP5020684 CH

UR/0033/65/042/004/0857/0859
523.77

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12, 55

AUTHOR: Polonskiy, V. V.

TITLE: Behavior of the 23007.0 and 23023.9 Å lines of carbon monoxide in faculae

SOURCE: Astronomicheskiy zhurnal, v. 42, no. 4, 1965, 857-859

TOPIC TAGS: recordgram, facula, photosphere, telluric line, equivalent width, carbon monoxide

ABSTRACT: In the period from July to September 1964, recordgrams of faculae and the quiet photosphere were obtained at equal distances from the center of the solar disk. Spectral records were taken in the wavelength range from 22940 to 23050 Å. These wavelengths were chosen because they are not covered by telluric CO lines. A comparison of processed records detected that equivalent widths of lines in faculae and in the photosphere at equal distances from the center of the solar disk differ, and the equivalent width in faculae is 10 per cent less than that in the photosphere. The equivalent width in both faculae and the photosphere increases with the distance from the center of the disk. The number of CO molecules per cubic centimeter was determined by using Herzberg's and Newkirk's formulas. It is assumed that a change

Card 1/2

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ACCESSION NR: AP5020684

in the number of molecules is proportional to the change in equivalent widths of CO lines. The equivalent width and its changes can be measured. The number of molecules and changes in their number may be determined, and the temperature in the photosphere and faculae can be determined from this result. The temperature difference between the photosphere and facula was found to be -25°C, which means that the temperature in faculae is higher than in the photosphere. Orig. art. has: 7 formulas and 1 table.

[EG]

ASSOCIATION: Gos. astronomicheskiy institut im. P. K. Shternberga (State Astronomical Institute)

SUBMITTED: 22Dec64

ENCL: 00

SUB CODE: AA

NO REF Sov: 001

OTHER: 004

ATD PRESS: 4066

Card 2/2

21(0)

PHASE I BOOK EXPLOITATION SOV/3032

Polonskiy, Vladimir Ivanovich, Doctor of Technical Sciences, Professor
Atomnyye korabli (Atomic-Powered Ships) Leningrad, 1959. 41 p.
9,500 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i
nauchnykh znanii RSFSR, Leningradskoye otdeleniye

Scientific Ed.: V.N.Yazykov, Candidate of Technical Sciences;
Ed. of Publishing House: A.V. Vasil'yev; Tech. Ed.: A.M. Gurdzhiev.

PURPOSE: This booklet is intended for the general reader interested in the
utilization of atomic power by merchant and military vessels.

COVERAGE: The booklet reviews world power consumption and describes the state
of nuclear power engineering and progress in building power plants for sea-
going vessels. Most attention is given to describing United States projects,
i.e., the various nuclear powered submarines, the "Savannah" etc. The Soviet

Card 1/2

TM/gnp
2-15-60

POLONSKIY, V.V.

Rotational temperature of a facula. Astron. zhur. 43 no. 1:
235-236 Ja-F '66 (MIA 19:2)

1. Gosudarstvennyy astronomicheskiy institut imeni P.K. Shternberga. Submitted June 18, 1965.

POLONSKIY, Yefim Petrovich; GUROV, S., red.; KUZNETSOVA, A., tekhn.red.

[The seven-year plan in three years] Semiletka - v tri goda.
Moskva, Moskovskii rabochii, 1961. 39 p. (MIRA 14:12)
(Orekhovo-Zuevo--Textile industry)
(Socialist competition)

POLONSKIY, YA. B.

"Some Metabolic Peculiarities in Puerperal
Sepsis," Sov. Med., No. 9, 1949. Prof., Clinic
Puerperal Diseases, Sverdlovsk Sci. Res. Inst. for
Protection of Mothers and Children, -cl949-.

POLONSKIY, Ya.; GORIN, I.

Determining standards of fuel consumption for dump trucks used in railroad construction. Avt.transp. 32 no.2:33 F '54. (MLRA 7:6)
(Dump trucks)

POLONSKIY, Yakov Kheskevich; LYUDSKOV, B.P., redaktor; SUDAK, D.M., tekhnicheskiy redaktor

[Care of beverage-dispensing equipment; a manual for vendors]
Ukhod za oborudovaniem dlia prodazhi vod i napitkov; pamyatka
dlia prodovtsa. Moskva, Gos.izd-vo torg.lit-ry, 1957. 38 p.
(Beverages) (MIRA 10:11)
(Food industry--Equipment and supplies)

POLONSKIY, Yakov Khaskovich; LYUDSKOV, B.P., redaktor; ROSLOV, G.I.,
tekhnicheskiy redaktor

[Maintenance of refrigeration equipment in stores; a manual
for storekeepers.] Ukhod za kholodil'nym oborudovaniem v
magazine; pamyatka dlia prodavtsa. Moskva, Gos.izd-vo torg.
lit-ry, 1957. 29 p. (MLRA 10:5)
(Refrigeration and refrigerating machinery--
Maintenance and repair)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9

POLONSKIY, YA. N.

DECLASSED

see ILC

medicine

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341820012-9"

YOLONSKIY, YA. YE.

"Vortex Trails and Their Application in the Theory
of the Fluttering Wing." Thesis for degree of Cani.
Technical Sci. Sub 15 Jun 49, Red Banner Order of
Lenin Military Air Engineering Academy imeni
Professor N. Ye. Zhukovskiy

[redacted] Summary 82, 19 Dec 52, Dissertations Presented
For Degrees in Science and Engineering in Moscow in
1949. From Vechernaya Moskva, Jan-Dec 1949.

POLONSKIY, Yefim Petrovich;GUROV, S.,red.; KUZNETSOVA, A., tekhn. red.

[The seven-year plan will be fulfilled in three years] Semiletka - v
tri goda. Moskva, Mosk. rabochii, 1961. 39 p. (MIRA 14:11)
(Orekhovo-Zuyevsk--Cotton manufacture--Labor productivity)

103107
S/124/62/000/008/009/030
I006/I242

103107
AUTHORS: Belotserkovskiy, S.M., Ginevskiy, A.S., and
Polonskiy, Ya.Ye.

TITLE: Aerodynamic forces acting on a net of profiles
in non steady flow

PERIODICAL: Referativny zhurnal, Nekhanika, no.8, 1962, 29,
abstract 8B176. (In collection: Prom. aerodinamika,
no.20, M., Oborongiz, 1961, 137-167)

TEXT: Incompressible nonviscous flow past a net of thin
profiles (plates) is considered. The profiles execute oscillations
with equal phase, and can be deformed simultaneously. Each
profile is replaced by a system of continuously distributed

Card 1/4

S/124/62/000/008,009/030
I006/I242

Aerodynamic forces acting ...

vortices with a time-dependent intensity. In the customary linear framework of the problem it is assumed that the vortex sheet leaving the profile maintains an invariable position with respect to the oscillating net. The problem is solved numerically, and for this purpose the continuous vortex sheet along the profile contour is replaced by a discreet number of joined vortices. The determination of the circulation amplitude is reduced to the solution of a system of linear algebraic equations. The equation coefficients are functions of the net parameters and of the Strouhal number. The coefficients of lift and moment of the profile are determined by the formulae

$$c_y = c_{y0} + c_y^x \dot{x} + c_y^{\omega} \omega + c_y^{\dot{\omega}} \dot{\omega} + c_y^{\Delta} \dot{\Delta}$$

where c_{y0} and m_{z0} - the coefficient of lift and the moment

Card 2/4

3/124/62/000/008/009/030
I006/I242

Aerodynamic forces acting...

corresponding to steady flow past the net, respectively. The other terms contain coefficients of rotation derivatives corresponding to the rate of change of angle of attack, $\dot{\alpha}$, the profile rotation, ω , and its deformation, Δ . Special cases of identical pure rotational oscillations and pure translational oscillations without deformation are considered. Formulae are obtained connecting the amplitudes of the lift and moment coefficients c_L and m_x and the phase shifts ϵ_L and ϵ_m with the coefficients of rotation derivatives. The change of the angle of attack, $\Delta\alpha$, under the influence of a chain of initial vortices in a quasi-steady case of purely translational motion of the profiles is determined. A numerical calculation of aerodynamic characteristics of a net of plates is performed on the electronic digital computer "Strala" according to the formulas obtained, for values of consistency $\gamma = b/t$ (b - chord, t - pitch of the net) of 0.25, 0.5, 1.0, 1.5, 2.0 and Strouhal numbers $q = 0, 0.5, 1.0, 1.5, 2.0$ and

Card 3/4

S/124/62/000/008/009/030
I006/I242

Aerodynamic forces acting...

stagger angle β in the range $0 - 60^\circ$. for $\tau = 0$ the resultant curves coincide with curves for a single oscillating plate. It is shown that the coefficients of rotation derivatives of the profile in the net are essentially different from the coefficients of a single profile and at low consistencies they depend strongly upon the Strouhal number. All the coefficients of forces and moment at $\tau > 0.5$ are practically independent of the Strouhal number. The considered coefficients of rotational derivatives are practically independent of the angle of attack: $\alpha = 0 - 10^\circ$. The phase shift of the lift coefficient ϵ_l attains values of the order of $20 - 50^\circ$ at Strouhal numbers $q = 1 - 2$ and $\tau > 0.5$, whereas the moment coefficient phase shift ϵ_m is small. At $q = 0$, $\epsilon_l = \epsilon_m = 0$.

[Abstracter's note: Complete translation.]

Card 4/4

SELOTSERKOVSKIY, Sergey Mikhaylovich; GINEVSKIY, Aron Semenovich;
POLONSKIY, Yakov Yefimovich; SUVOROVA, I.A., red.; PUKHLIKOV,
N.A., tekhn.red.

[Hydrodynamic theory of cascades; aerodynamic power and moment
characteristics of cascades of thin profiles] Gidrodinamicheskaya
teoriya reshetok; silovye i momentnye aerodinamicheskie
kharakteristiki reshetok tonkikh profilei. Moskva, Gos.nauchno-
tekhn. izd-vo Oborongiz, 1962. 124 p. (Promyshlennaya
aerodinamika, no.22).

(MIRA 15:8)

(Cascades (Fluid dynamics))

RELOWSKI, Ya. Y.

"Some Questions Concerning the Flapping Wing" Engineering Articles
publ of Mech Inst Soviet Acad.of Sci. 1950 pp 49-60 STS 132 BuShips

S/632/61/000/020/005/008
D234/D308

26.2120
AUTHORS: Belotserkovskiy, S. M., Ginevskiy, A. S. and
Polonskiy, Ya. Ye.

TITLE: Aerodynamical forces acting on the profile grating in
non-stationary flow

SOURCE: Moscow. Tsentral'nyy aero-gidrodinamicheskiy institut.
Promyshlennaya aerodinamika. no. 20, 1961. Osevyye
dozvukovyye kompressory statsionarnogo tipa, 137-167

TEXT: A method of computing the aerodynamical characteristics,
being a generalization of the method offered by one of the authors
in a previous publication, is described. The general case is con-
sidered in which the profiles vibrate in an arbitrary (but equal)
manner and are deformed at the same time. The only assumptions
made are those on which the linear theory is based. The solution
is constructed as a linear combination of vortex chains of arbi-
trary stagger and step; the intensity of associated vortexes and
the basic kinematic parameters of the grating varying harmonic-

Card 1/2

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BELOTSERKOVSKIY, S.M.; GINEVSKIY, A.S.; POLONSKIY, Ya.Ye.

Aerodynamic forces acting on a cascade in a nonstationary gas
flow. Prom.aerodin. no.20:137-167 '61. (MIRA 14:12)
(Cascades (Fluid dynamics))

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1007/1252

AUTHORS:

Belotserkovskiy, S. M., Ginevskiy, A. S. and Polorskiy, Ya. Ye.

TITLE:

The effect of aerodynamic forces on a cascade under nonsteady flow

PERIODICAL:

Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovye ustavovki, no. 11, 1962, 37, abstract
42.11.175. (In collection Prom. aerodynamika, M., Oborongiz, no. 20, 1961, 137-167)

TEXT: The principles are outlined of a method for computing the aerodynamic characteristics of a flat-plate cascade. The general case is described of spontaneous vibrations of the cascade about a certain mean position. To obtain the nonsteady aerodynamical characteristics of the cascade, dimensionless functions were determined for the components of the inductive velocities of adjacent vortices. The boundary conditions in the problem under consideration are equality to zero of the normal component of relative velocity at each point of the profile. For an approximate solution the vortex layer, continuously distributed over the profile, is replaced by a number of adjacent vortices. The procedure for calculating the cascade on the "Strela" (Arrow) electronic digital computer is described. The required number of adjacent vortices is dictated by the requirements of computational accuracy. Solution of one variant of the problem takes about 5 minutes. Dependence of the coefficients of rotational derivatives on the spacing and depth of the cascade is shown.

Card 1/2

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and a marked discrepancy is noted between these results and the data for a single profile. It is also noted that for a spacing factor above 0.5, these coefficients are practically independent of the Strouhal number.

[Abstracter's note. Complete translation.]

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Card 2/2

PLINER, V.: POLONSKIY, Ye.

On certain labor rights of trade unions, workers, and employees.
Sots.trud 5 no.1:37-38 Ja '60. (MIRA 13:6)

1. Predsedatel' mestkoma Moskovskoy gorodskoy kontory Stroybanka SSSR
(for Pliner). 2. Starshiy yuriskonsul't Moskovskoy gorodskoy kontory
Gosbanka SSSR (for Polonskiy).
(Labor laws and legislation)